



Lake Michigan Water Safety Webinar

National Weather Service Grand Rapids MI



Evolution	<ul style="list-style-type: none">• Winds and Waves will continue to build this morning and peak midday• Waves will remain up this afternoon as well• Storms Will Impact Boaters and Swimmers through this evening
Time Period of Concern	<ul style="list-style-type: none">• The entire day Friday into early Friday night
Threat Area	<ul style="list-style-type: none">• All beaches from St. Joseph to Manistee
Confidence Level	<ul style="list-style-type: none">• HIGH• These are Much Higher than normal winds and waves than typical

Friday July 19th 1000AM



Lake Michigan Water Safety Webinar

National Weather Service Grand Rapids MI



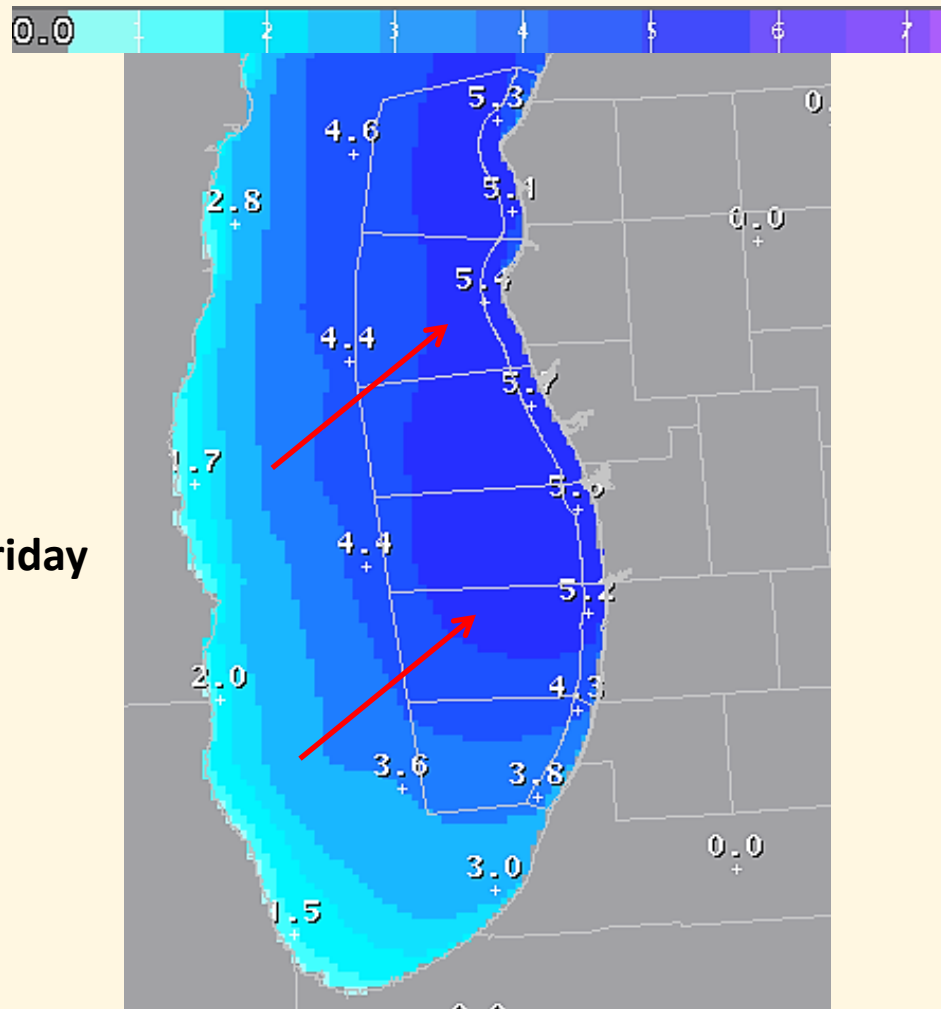
Wind	<ul style="list-style-type: none">• Southwest winds of 15 to 30 mph with higher gusts today• Winds diminish from north to south in the evening and overnight.
Waves	<ul style="list-style-type: none">• Waves of 3 to 7 feet• Waves remaining in that range through early this evening
High Impact Beaches	<ul style="list-style-type: none">• Pere Marquette Park in Muskegon...Grand Haven State Park and South Beach at South Haven...all of which are located on the south side of south piers (structural currents).
Other Concerns	<ul style="list-style-type: none">• In wind regimes roughly parallel to the coast (northerly or southerly), strong long shore currents form. Strong south long shore currents can be expected sweeping up the beach from south to north Friday.

Friday July 19th 1000AM

Lake Michigan Water Safety Webinar

National Weather Service Grand Rapids MI

**Forecast Average
Wave Heights
Image Valid: 100pm Friday**



Red arrow indicates direction the wind is coming from today
Wave heights in feet



Summary

National Weather Service Grand Rapids MI

- Waves of 3 to 7 feet, especially from South Haven north up the shore

- Hazardous swimming conditions today

- The hot temperatures combined with water temperatures in the 70s will attract a high number of people to swim in Lake Michigan.

**It is critical in this situation that beach goers are made aware of the
HIGH swim hazard risk Today**

- Swim Hazard Risk: **HIGH**

- Strong Long Shore currents can also be expected sweeping north up the beach
- Structural currents can be expected on the south side of south piers



Click the Links Below for More Information

National Weather Service Grand Rapids MI



NWS Grand Rapids Website

<http://www.weather.gov/grr>

Recreational Beach Forecast

<http://www.crh.noaa.gov/grr/marine/surf/>

GLERL Wave Model

<http://www.glerl.noaa.gov/res/glcfs/>

Buoy / Lakeshore Obs

<http://www.ndbc.noaa.gov/maps/>

Beach Observations

<http://www.crh.noaa.gov/grr/products/>
select OMRGRR